

ABSTRACT

A tapered self-centering rotating endodontic file includes an annular governor collar, such as, for example, a truncated cone or cylinder, which merges into the handle. The file does not require the use of a radial land trailing a cutting edge of the file. Hence, the rotating file prevents damage from eccentric non-centered movement of file against the inner wall of the canal. The smooth, non-cutting annular governor portion is provided on the file, away from the fluted cutting edges of the file, so that the governor can contact the inner walls of the canal as the cutting edges are cleaning and shaping internal dentinal walls of the canal. Optionally, a set of files includes a first file for initially opening the canal, a second file for canal and a third file for finishing, shaping and cleaning the canal.

full appl as filed